



# Tennessee Public Schools: A summary of weight status data

## 2015-16

Tennessee Department of Education | February 2017

Tennessee Department of Education  
Office of Coordinated School Health

Created in partnership with



The Tennessee Public Schools Summary of Weight Status Report 2015-16  
was prepared by the Tennessee Department of Health,  
Division of Policy, Planning and Assessment  
Office of Healthcare Statistics

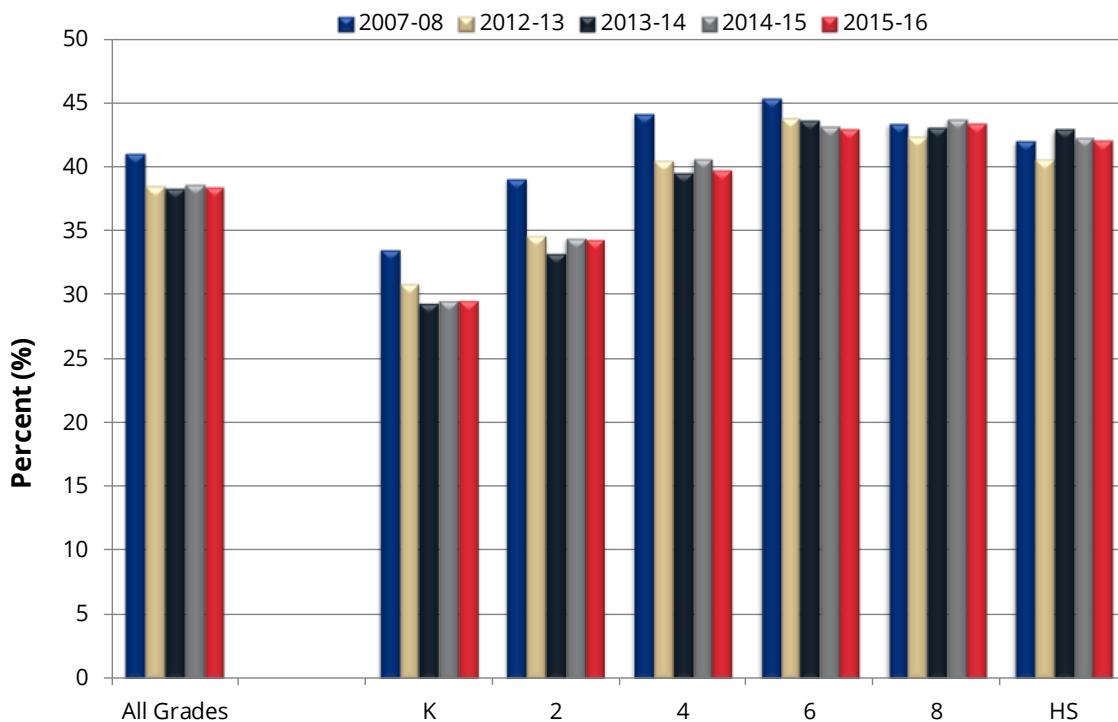
## Key Findings

This summary presents weight status results from 312,386 students enrolled in Tennessee public schools during the 2015-16 school years in grades kindergarten, 2, 4, 6, 8, and one year of high school. Overweight and obesity prevalence in this report refers to the proportion of public school students found to be overweight or obese during the school year. Statistical significance was determined based on the comparison of 95% confidence intervals.

Key findings include:

- ⇒ Overall, 58.5% had BMI measurements within normal range, 21.7% of students were obese, 16.7% were overweight, and the remaining 3.1% were underweight ([see figure](#)).
- ⇒ The prevalence of overweight and obesity during the 2015-16 school year has significantly decreased from the 2007-08 school year.
- ⇒ Students in rural counties had a higher prevalence of overweight/obesity (40.4%) compared to those in metropolitan counties (34.9%).
- ⇒ Overweight and obesity prevalence increased with increasing grade level through grade 8 (kindergarten: 29.5%; grade 2: 34.3%; grade 4: 39.7%; grade 6: 42.9%; grade 8: 43.4%; high school: 42.0%).
- ⇒ The overall overweight/obesity rate decreased among fourth graders in the 2015-16 school year compared to the 2014-15 school year. With the exception of kindergarteners, slight non-significant decreases were reported among other grades during the same time period.

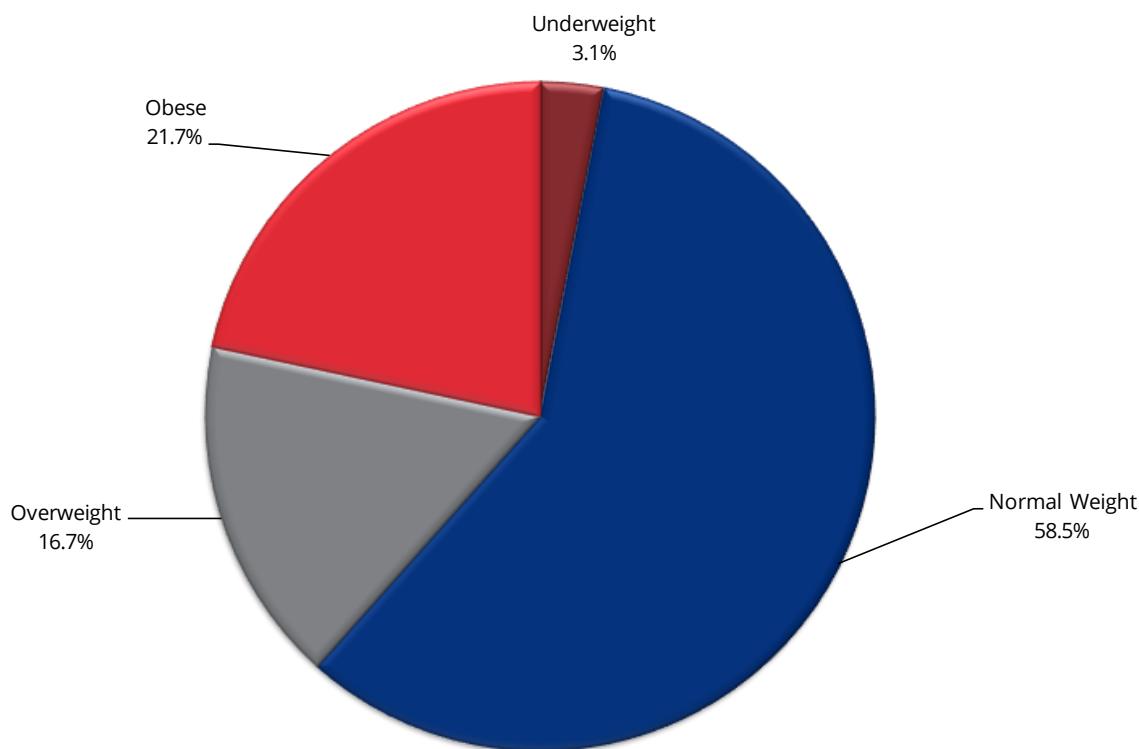
### Overweight and Obesity Prevalence by Grade Tennessee Public Schools, 2007-08, 2012-13, 2013-14, 2014-15, and 2015-16



## Student Characteristics

An equal proportion of boys and girls were assessed for the 2015-16 school year (51.5% and 48.5%, respectively). Of those assessed: 16.7% were kindergarteners, 18.7% were second graders, 18.8% were fourth graders, 31.2% were either sixth graders or eighth graders, and 14.6% were high schoolers. Most students screened were outside of the metropolitan counties<sup>1</sup> (64.3%).

### Body Weight Status Tennessee Public Schools, 2015-16



\* Approximately 1 out of every 3 Tennessee public school students (grades K, 2, 4, 6, 8 and high school) assessed during this period was overweight or obese.



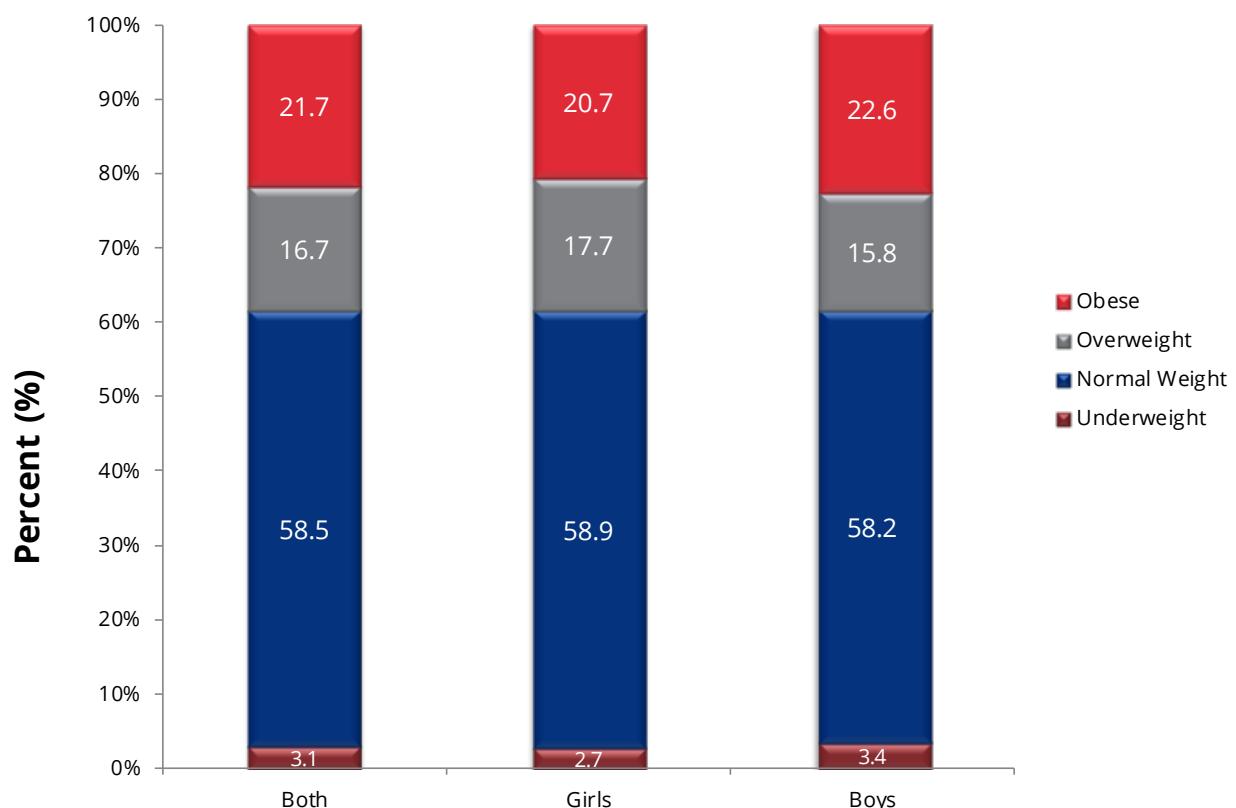
1. Davidson, Hamilton, Knox, Madison, Shelby, and Sullivan are considered metropolitan counties and the remaining counties are considered rural.

## Overweight and Obesity by Gender

Overall, the overweight/obesity rate among girls was similar to that of boys (38.4%) ([see table](#)).

- Nearly 40% of students were either overweight or obese.
- Boys were more likely to be obese than girls (22.6% vs. 20.7%). However, girls were more likely to be overweight (17.7% vs. 15.8%).

**Weight Status Distribution by Gender,  
Tennessee Public Schools, 2015-16**

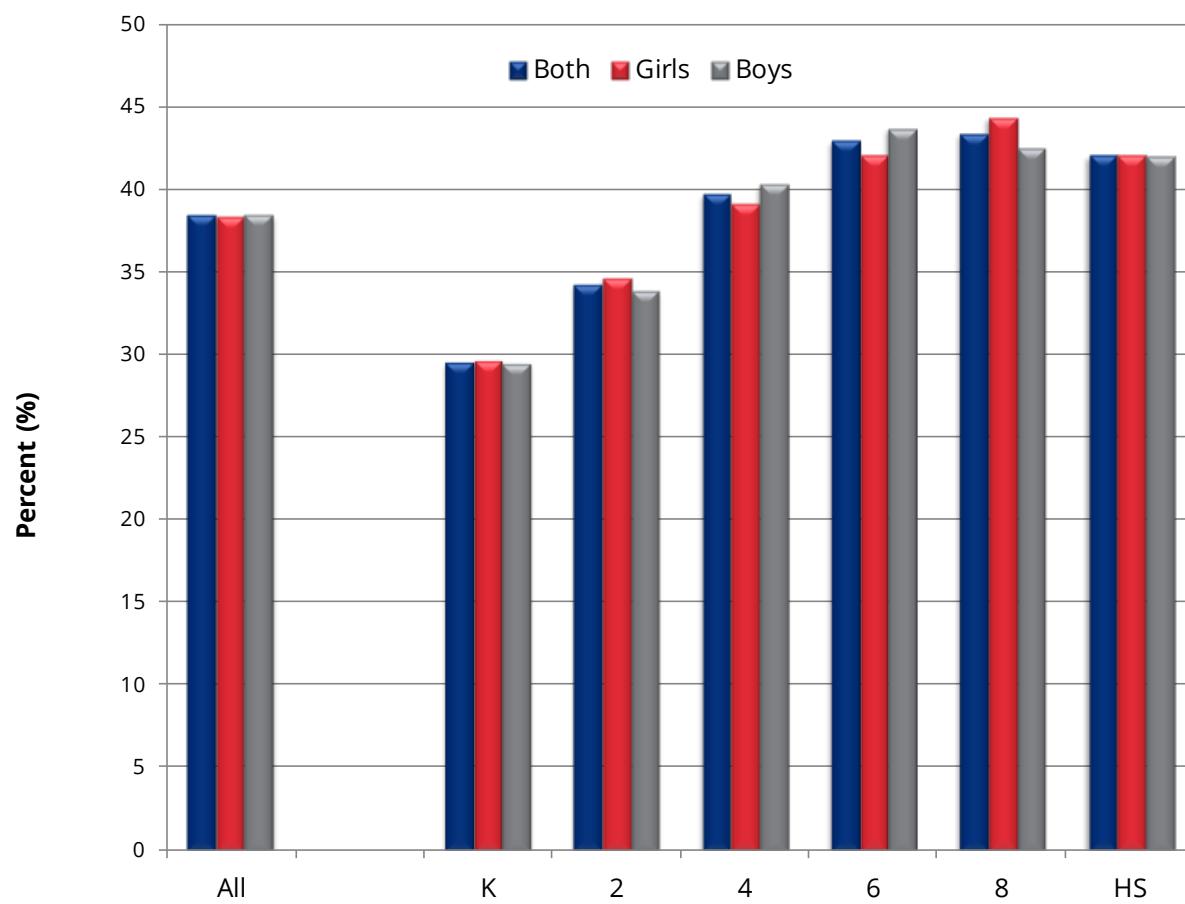


## Overweight and Obesity by Gender and Grade

The overweight/obesity rate was higher than 40% in grade 6, grade 8 and high school for both girls and boys.

- Boys had the highest rates of overweight/obesity during grades 6 and 8 (43.7% and 42.5%, respectively).
- Girls had the highest rates of overweight/obesity during grade 8 (44.4%).
- In the rural counties, there was no statistical difference between the overweight/obesity rates of girls and boys. However, among metropolitan counties, the rate among girls was slightly higher compared to boys (35.4% vs. 34.4%).

### Overweight and Obesity Prevalence by Grade and Gender, Tennessee Public Schools, 2015-16



## Overweight and Obesity by County

The overweight/obesity prevalence rate varied by county, ranging from 21.6% (Williamson County) to 55.5% (Pickett County) for the 2015-16 school year ([see table](#)).

- The five counties with the highest overweight/obesity prevalence for the current school year were Pickett (55.5%), Lake (52.8%), Trousdale (51.7%), Macon (50.1%), and Grainger (50.0%).
- The five counties with the lowest overweight/obesity prevalence for the current school year were Williamson (21.6%), Giles (32.0%), Knox (32.9%), Montgomery (33.3%), and Franklin (33.7%).
- Fourteen (14) counties, with available data for 2007-08 and 2015-16 school years, experienced a significant decrease in the prevalence of overweight/obesity (Davidson, Fayette, Franklin, Giles, Hardin, Knox, Montgomery, Putnam, Robertson, Sevier, Sumner, Washington, Williamson, Wilson) in 2015-16 compared to 2007-08.
- Some counties require an active opt in informed consent for BMI student data collection, and this can have a significant impact on the number of students screened.

## Overweight and Obesity by School District

The overweight/obesity prevalence rate varied by school district, ranging from 15.6% (Lakeland) to 60.2% (Alamo) for the 2015-16 school year ([see table](#)).

- The five school districts with the highest overweight/obesity prevalence for the current school year were Alamo (60.2%), Pickett County (55.5%), Lake County (52.8%), Trousdale County (51.7%), and Monroe County (51.0%).
- The five school districts with the lowest overweight/obesity prevalence for the current school year were Lakeland (15.6%), Williamson County<sup>2</sup> (19.2%), Hollow Rock-Bruceton (23.8%), Germantown (24.0%), and Collierville (24.2%).
- Among the school districts with data for both the 2012-13 and 2015-16 school years, the following districts had a lower overweight/obesity rate in 2015-16 than in 2012-13: Bedford County, Bristol City, Dickson County, Franklin County, Giles County, Hollow Rock-Bruceton, Lexington City, Sumner County, and Williamson County.

2. Williamson County school district data does not include Franklin Special School District and will differ from county level data.



**Overweight and obesity\* prevalence among Tennessee public school students,  
by county, 2007-08, 2013-14, 2014-15, and 2015-16 school years**

County	2007-08		2013-14		2014-15		2015-16		Change from 2007-08 to 2015-16
	Percent of overweight and obesity	95% confidence interval							
<b>Tennessee</b>	<b>41.1</b>	<b>40.9 - 41.4</b>	<b>38.3</b>	<b>38.2 - 38.5</b>	<b>38.6</b>	<b>38.4 - 38.8</b>	<b>38.4</b>	<b>38.2 - 38.6</b>	Decrease
Anderson	42.1	40.4 - 43.8	37.5	36.1 - 38.9	37.5	35.7 - 39.2	39.3	37.7 - 40.9	
Bedford	36.7	32.7 - 40.6	44.7	42.9 - 46.5	41.4	39.6 - 43.3	40.5	38.7 - 42.2	
Benton	<b>No Data</b>		46.7	43.3 - 50.2	44.5	41.0 - 48.1	47.6	43.9 - 51.3	Limited Data
Bledsoe	41.0	37.4 - 44.7	39.3	35.6 - 43.0	44.5	40.5 - 48.5	40.5	36.5 - 44.6	
Blount	39.2	38.1 - 40.4	38.8	37.7 - 39.9	35.4	33.6 - 37.1	38.7	37.6 - 39.7	
Bradley	41.2	39.8 - 42.7	44.5	43.2 - 45.9	38.5	37.2 - 39.7	39.1	37.8 - 40.3	
Campbell	<b>No Data</b>		44.3	42.3 - 46.3	46.2	42.7 - 49.6	47.1	44.1 - 50.2	Limited Data
Cannon	38.6	35.1 - 42.1	36.2	32.9 - 39.5	41.8	38.2 - 45.4	40.3	36.7 - 43.9	
Carroll	39.6	37.1 - 42.0	46.7	44.4 - 48.9	46.0	43.7 - 48.3	44.0	41.7 - 46.3	
Carter	42.1	39.4 - 44.8	42.6	40.6 - 44.5	43.2	41.2 - 45.2	41.7	39.8 - 43.6	
Cheatham	34.9	32.8 - 37.0	32.3	30.2 - 34.4	36.7	34.7 - 38.7	35.1	32.9 - 37.3	
Chester	35.9	32.8 - 39.0	37.8	34.7 - 40.8	39.5	36.4 - 42.6	37.8	34.7 - 40.9	
Claiborne	37.6	32.6 - 42.6	47.4	44.9 - 50.0	50.3	47.8 - 52.9	46.9	44.4 - 49.5	Increase
Clay	48.1	43.4 - 52.9	41.1	36.5 - 45.7	44.9	40.6 - 49.2	40.2	35.8 - 44.6	
Cocke	45.2	43.1 - 47.3	45.1	43.1 - 47.1	47.1	44.6 - 49.6	47.2	45.1 - 49.4	
Coffee	41.8	40.2 - 43.4	38.2	36.6 - 39.8	47.0	45.4 - 48.6	40.6	39.0 - 42.2	
Crockett	40.4	37.5 - 43.3	51.1	48.2 - 53.9	48.5	45.8 - 51.3	48.4	45.4 - 51.4	Increase
Cumberland	43.8	41.9 - 45.6	42.7	40.9 - 44.5	44.7	42.9 - 46.5	42.3	40.5 - 44.1	
Davidson	39.9	38.1 - 41.7	35.6	35.1 - 36.2	36.9	36.3 - 37.5	36.7	36.1 - 37.3	Decrease
DeKalb	46.2	43.3 - 49.0	41.9	39.2 - 44.7	45.9	42.9 - 48.9	45.0	42.0 - 48.0	
Decatur	38.9	35.0 - 42.9	45.0	41.4 - 48.6	45.3	41.8 - 48.8	48.0	44.4 - 51.6	Increase
Dickson	36.6	33.2 - 40.0	40.3	38.6 - 42.0	40.8	39.2 - 42.5	35.2	33.5 - 36.9	
Dyer	43.7	41.6 - 45.9	41.5	39.7 - 43.3	40.4	38.5 - 42.2	41.5	39.6 - 43.4	
Fayette	49.7	46.9 - 52.4	44.8	41.9 - 47.7	43.2	39.7 - 46.6	41.2	38.1 - 44.3	Decrease
Fentress	50.1	47.0 - 53.2	47.0	44.1 - 49.8	50.6	47.5 - 53.8	47.0	44.0 - 50.0	
Franklin	43.5	41.4 - 45.6	39.1	36.8 - 41.4	38.3	36.0 - 40.6	33.7	31.5 - 35.9	Decrease
Gibson	41.4	39.8 - 43.0	41.9	40.3 - 43.4	43.2	41.5 - 45.0	43.7	42.1 - 45.3	
Giles	42.0	39.5 - 44.4	42.5	40.1 - 44.9	42.6	40.0 - 45.1	32.0	29.6 - 34.4	Decrease
Grainger	48.3	45.8 - 50.9	50.6	48.1 - 53.2	50.8	48.3 - 53.3	50.0	47.4 - 52.5	
Greene	43.4	41.4 - 45.3	41.7	40.1 - 43.4	43.2	41.4 - 44.9	43.2	41.6 - 44.8	
Grundy	45.1	41.9 - 48.3	42.5	39.4 - 45.6	41.2	37.6 - 44.9	38.9	34.5 - 43.4	
Hamblen	44.5	42.5 - 46.5	51.7	50.1 - 53.2	55.7	54.2 - 57.2	44.7	43.1 - 46.2	
Hamilton	34.6	32.4 - 36.7	32.0	31.0 - 33.0	32.9	32.0 - 33.8	34.5	33.8 - 35.3	
Hancock	51.0	46.4 - 55.6	46.8	42.0 - 51.6	53.9	49.2 - 58.7	46.0	41.1 - 50.8	
Hardeman	44.2	41.2 - 47.3	40.0	37.3 - 42.7	44.4	41.6 - 47.2	43.2	40.2 - 46.3	
Hardin	49.7	47.1 - 52.4	42.1	39.2 - 45.0	43.8	41.0 - 46.7	40.9	38.1 - 43.7	Decrease
Hawkins	47.6	44.8 - 50.4	44.3	42.5 - 46.0	45.4	43.5 - 47.3	45.8	43.9 - 47.6	
Haywood	46.0	43.3 - 48.7	43.8	41.1 - 46.4	42.5	39.8 - 45.2	42.3	39.5 - 45.0	
Henderson	39.5	37.1 - 41.8	38.1	36.0 - 40.3	44.8	42.6 - 47.0	45.3	42.9 - 47.6	Increase
Henry	44.2	41.8 - 46.5	45.3	43.2 - 47.4	42.8	40.7 - 44.9	42.7	40.2 - 45.2	
Hickman	43.7	41.2 - 46.1	47.5	44.8 - 50.3	49.2	46.5 - 52.0	46.1	43.1 - 49.1	
Houston	48.1	43.9 - 52.3	47.5	43.2 - 51.8	41.2	36.9 - 45.4	42.2	37.5 - 46.9	
Humphreys	40.1	37.3 - 42.9	41.7	38.8 - 44.7	41.7	38.7 - 44.8	44.0	41.0 - 47.0	
Jackson	<b>No Data</b>		<b>No Data</b>		35.8	29.9 - 41.7	43.7	39.2 - 48.3	LimitedData
Jefferson	43.2	41.3 - 45.1	37.3	34.5 - 40.1	40.0	36.8 - 43.2	40.2	36.8 - 43.6	
Johnson	43.3	40.0 - 46.5	40.2	36.3 - 44.1	40.2	36.5 - 43.8	43.2	39.4 - 46.9	
Knox	38.6	37.1 - 40.0	32.8	32.0 - 33.6	36.1	35.3 - 36.9	32.9	32.2 - 33.6	Decrease
Lake	49.0	43.9 - 54.2	48.6	43.5 - 53.8	46.5	41.3 - 51.7	52.8	47.6 - 58.0	
Lauderdale	45.2	42.7 - 47.7	45.4	43.0 - 47.8	42.0	39.7 - 44.3	49.5	47.1 - 51.9	
Lawrence	42.2	40.3 - 44.2	40.5	38.7 - 42.3	40.8	39.0 - 42.6	40.8	39.0 - 42.7	
Lewis	<b>No Data</b>		49.4	46.0 - 52.9	47.6	44.1 - 51.1	46.6	43.0 - 50.3	Limited Data



**Overweight and obesity\* prevalence among Tennessee public school students,  
by county, 2007-08, 2013-14, 2014-15, and 2015-16 school years**

County	2007-08		2013-14		2014-15		2015-16		Change from 2007-08 to 2015-16
	Percent of overweight and obesity	95% confidence interval							
Lincoln	41.7	39.4 - 43.9	37.9	36.1 - 39.7	41.6	39.4 - 43.8	39.7	37.5 - 41.9	
Loudon	42.4	40.5 - 44.2	40.5	38.4 - 42.6	42.1	40.1 - 44.2	41.8	39.8 - 43.7	
Macon	43.8	41.4 - 46.3	46.7	44.3 - 49.1	44.2	41.8 - 46.6	50.1	47.7 - 52.5	Increase
Madison	39.7	38.0 - 41.5	41.5	40.1 - 42.8	42.3	41.0 - 43.7	41.8	40.4 - 43.2	
Marion	43.3	39.8 - 46.8	43.0	40.6 - 45.3	44.5	42.0 - 47.0	40.7	38.3 - 43.2	
Marshall	<b>No Data</b>		45.8	43.1 - 48.5	42.6	40.3 - 45.0	40.0	37.4 - 42.6	Limited Data
Maury	41.3	38.3 - 44.3	42.8	41.3 - 44.4	40.2	38.9 - 41.5	41.7	40.2 - 43.1	
McMinn	44.1	42.0 - 46.2	43.4	41.6 - 45.2	44.0	42.2 - 45.8	44.1	42.3 - 46.0	
McNairy	40.4	38.2 - 42.7	41.1	38.9 - 43.4	43.8	41.3 - 46.2	44.3	42.0 - 46.6	
Meigs	42.8	39.2 - 46.4	44.8	41.2 - 48.4	47.4	43.8 - 51.0	45.3	41.5 - 49.0	
Monroe	45.5	43.7 - 47.3	45.1	43.3 - 47.0	46.4	44.6 - 48.2	47.5	45.1 - 49.8	
Montgomery	36.7	35.1 - 38.2	33.8	32.9 - 34.7	33.5	32.6 - 34.4	33.3	32.3 - 34.3	Decrease
Moore	42.3	37.4 - 47.1	45.0	40.1 - 49.9	34.4	29.6 - 39.2	36.2	31.2 - 41.3	
Morgan	40.9	38.1 - 43.8	41.9	39.0 - 44.8	40.9	38.1 - 43.7	40.4	37.5 - 43.3	
Obion	44.5	41.7 - 47.3	45.1	43.1 - 47.2	45.6	43.4 - 47.9	45.2	43.1 - 47.3	
Overton	46.7	44.0 - 49.3	41.4	38.7 - 44.1	41.3	38.4 - 44.2	44.5	41.5 - 47.4	
Perry	39.5	34.7 - 44.3	37.8	33.2 - 42.4	31.5	26.0 - 37.0	40.3	35.5 - 45.1	
Pickett	46.4	40.5 - 52.3	51.2	45.8 - 56.7	45.7	40.3 - 51.0	55.5	49.7 - 61.3	
Polk	41.6	38.5 - 44.7	41.1	38.2 - 44.0	37.4	34.4 - 40.4	39.9	36.9 - 42.9	
Putnam	44.4	42.8 - 46.0	39.1	37.4 - 40.8	38.2	36.0 - 40.4	37.4	35.3 - 39.5	Decrease
Rhea	43.1	40.7 - 45.4	41.5	39.4 - 43.6	37.8	35.6 - 39.9	43.4	41.2 - 45.6	
Roane	41.4	40.1 - 42.8	38.1	36.3 - 39.9	38.2	36.2 - 40.2	41.5	39.5 - 43.5	
Robertson	48.4	44.9 - 51.8	43.7	42.3 - 45.1	41.9	39.8 - 43.9	40.5	38.5 - 42.6	Decrease
Rutherford	40.9	39.3 - 42.5	37.6	36.9 - 38.3	38.3	37.6 - 39.0	40.5	39.6 - 41.4	
Scott	43.4	40.8 - 46.0	45.7	43.3 - 48.0	43.8	41.4 - 46.2	45.9	43.5 - 48.4	
Sequatchie	39.2	35.9 - 42.5	41.1	37.9 - 44.3	39.5	36.1 - 42.8	44.5	41.3 - 47.8	
Sevier	42.7	40.6 - 44.8	38.7	37.7 - 39.8	37.7	36.1 - 39.2	35.9	34.4 - 37.4	Decrease
Shelby	<b>No Data</b>		34.9	34.3 - 35.5	40.1	39.3 - 40.9	34.3	33.9 - 34.7	Limited Data
Smith	45.2	42.6 - 47.9	43.4	40.8 - 46.0	43.4	40.7 - 46.0	43.2	40.5 - 45.9	
Stewart	43.6	40.5 - 46.7	36.3	33.0 - 39.5	35.9	32.6 - 39.1	37.8	34.6 - 40.9	
Sullivan	37.3	34.9 - 39.8	38.3	37.2 - 39.3	40.0	38.9 - 41.1	37.5	36.4 - 38.6	
Sumner	43.8	41.7 - 45.9	34.3	33.3 - 35.2	36.6	35.7 - 37.5	37.0	36.1 - 37.9	Decrease
Tipton	41.7	40.2 - 43.2	38.0	36.5 - 39.5	40.2	38.6 - 41.8	39.6	37.9 - 41.2	
Trousdale	46.7	42.6 - 50.8	48.8	44.6 - 53.0	42.6	38.3 - 46.9	51.7	47.3 - 56.1	
Unicoi	44.7	41.6 - 47.9	45.4	42.3 - 48.5	43.2	40.1 - 46.3	46.7	43.2 - 50.3	
Union	45.2	40.4 - 49.9	46.0	43.0 - 49.0	41.7	38.4 - 45.0	46.2	43.0 - 49.4	
Van Buren	46.9	41.2 - 52.6	39.3	33.9 - 44.8	41.9	36.1 - 47.7	47.0	41.2 - 52.8	
Warren	40.9	39.0 - 42.8	44.4	42.6 - 46.2	45.2	43.3 - 47.0	44.4	42.6 - 46.3	
Washington	40.7	39.4 - 41.9	35.6	34.2 - 36.9	35.1	33.7 - 36.4	36.3	34.9 - 37.7	Decrease
Wayne	44.3	41.2 - 47.4	46.6	43.3 - 49.9	46.0	42.6 - 49.5	44.2	40.8 - 47.6	
Weakley	40.6	36.5 - 44.8	44.2	41.9 - 46.5	47.2	44.6 - 49.9	46.9	44.6 - 49.3	
White	<b>No Data</b>		43.2	40.8 - 45.6	44.1	41.7 - 46.5	46.0	43.4 - 48.5	Limited Data
Williamson	29.1	28.3 - 29.8	23.4	22.7 - 24.1	24.0	22.9 - 25.1	21.6	20.5 - 22.6	Decrease
Wilson	40.0	38.8 - 41.1	36.7	35.6 - 37.7	36.5	35.5 - 37.6	36.8	35.8 - 37.9	Decrease

\*Overweight/obese was defined as body mass index (BMI) greater than or equal to the 85th percentile for children of the same age and sex.

\*\*"Decrease" or "Increase" indicates a statistically significant change from 2007-08 to 2015-16.



## Overweight and obesity\* prevalence among Tennessee public school students, by grade, 2007-08, 2014-15, and 2015-16 school years

Grade	Gender	2007-08		2014-15		2015-16		Change from 2007-08 to 2015-16
		Percent of overweight and obesity	95% confidence interval	Percent of overweight and obesity	95% confidence interval	Percent of overweight and obesity	95% confidence interval	
All Grades	Both	<b>41.14</b>	<b>40.91 - 41.37</b>	<b>38.59</b>	<b>38.42 - 38.76</b>	<b>38.40</b>	<b>38.23 - 38.57</b>	Decrease
	Girls	<b>39.59</b>	<b>39.27 - 39.92</b>	<b>38.27</b>	<b>38.03 - 38.52</b>	<b>38.38</b>	<b>38.13 - 38.62</b>	Decrease
	Boys	<b>42.57</b>	<b>42.25 - 42.89</b>	<b>38.89</b>	<b>38.65 - 39.13</b>	<b>38.42</b>	<b>38.18 - 38.65</b>	Decrease
K	Both	33.48	32.96 - 34.00	29.50	29.12 - 29.88	29.54	29.14 - 29.93	Decrease
	Girls	33.20	32.45 - 33.95	29.46	28.91 - 30.01	29.59	29.03 - 30.15	Decrease
	Boys	33.73	33.01 - 34.45	29.54	29.00 - 30.07	29.48	28.94 - 30.03	Decrease
2	Both	39.10	38.57 - 39.64	34.39	34.01 - 34.77	34.26	33.87 - 34.64	Decrease
	Girls	37.94	37.18 - 38.70	34.24	33.70 - 34.79	34.66	34.11 - 35.22	Decrease
	Boys	40.17	39.44 - 40.91	34.53	33.99 - 35.07	33.87	33.33 - 34.41	Decrease
4	Both	44.06	43.51 - 44.61	40.64	40.24 - 41.03	39.71	39.31 - 40.10	Decrease
	Girls	42.13	41.35 - 42.92	39.75	39.18 - 40.31	39.13	38.56 - 39.69	Decrease
	Boys	45.89	45.12 - 46.66	41.00	40.93 - 42.05	40.26	39.71 - 40.82	Decrease
6	Both	45.39	44.84 - 45.95	43.11	42.68 - 43.54	42.91	42.48 - 43.34	Decrease
	Girls	42.91	42.12 - 43.71	42.52	41.91 - 43.14	42.09	41.47 - 42.70	
	Boys	47.70	46.92 - 48.48	43.66	43.06 - 44.26	43.68	43.08 - 44.28	Decrease
8	Both	43.36	42.79 - 43.93	43.74	43.28 - 44.19	43.37	42.92 - 43.82	
	Girls	42.07	41.25 - 42.89	43.03	43.38 - 44.69	44.35	43.70 - 45.00	Increase
	Boys	44.53	43.74 - 45.32	44.46	43.84 - 45.09	42.47	41.84 - 43.09	Decrease
High School	Both	41.99	41.36 - 42.61	42.22	41.77 - 42.68	42.03	41.58 - 42.48	
	Girls	39.55	38.66 - 40.45	41.82	41.18 - 42.47	42.08	41.43 - 42.73	Increase
	Boys	44.22	43.35 - 45.10	42.61	41.97 - 43.25	41.98	41.35 - 42.61	Decrease

\*Overweight/obese was defined as body mass index (BMI) greater than or equal to the 85th percentile for children of the same age and sex.

\*\*"Decrease" or "Increase" indicates a statistically significant change from 2007-08 to 2015-16.

Coordinated  
School Health

**Overweight and obesity\* prevalence among Tennessee public school students, by school district, 2012-13, 2013-14, 2014-15, and 2015-16 school years**

District	2012-13		2013-14		2014-15		2015-16		Change from 2012-13 to 2015-16
	Percent of overweight and obesity	95% confidence interval							
<b>Tennessee</b>	<b>38.5</b>	<b>38.4 - 38.7</b>	<b>38.3</b>	<b>38.2 - 38.5</b>	<b>38.6</b>	<b>38.4 - 38.8</b>	<b>38.4</b>	<b>38.2 - 38.6</b>	
Alamo	<b>No Data</b>		<b>No Data</b>		50.6	45.1 - 56.1	60.2	49.7 - 70.8	Limited Data
Alcoa City	33.9	30.7 - 37.2	34.6	31.3 - 38.0	31.4	29.1 - 33.7	37.3	34.9 - 39.7	No Change
Anderson County	43.5	41.7 - 45.3	42.4	40.4 - 44.3	40.4	38.0 - 42.8	42.3	40.3 - 44.3	No Change
Arlington Community	<b>No Data</b>		<b>No Data</b>		31.4	29.1 - 33.7	35.0	32.8 - 37.3	No Change
Athens City	40.5	37.1 - 44.0	40.9	37.4 - 44.3	38.7	35.1 - 42.2	39.2	35.4 - 43.0	No Change
Bartlett City Schools	<b>No Data</b>		<b>No Data</b>		34.8	33.2 - 36.4	30.8	29.3 - 32.3	Limited Data
Bedford County	46.8	44.9 - 48.7	44.7	42.9 - 46.5	41.4	39.6 - 43.3	40.5	38.7 - 42.2	Decrease
Bells City	35.6	29.0 - 42.2	32.1	25.0 - 39.2	37.9	30.7 - 45.1	33.5	26.1 - 41.0	No Change
Benton County	45.6	41.9 - 49.3	46.9	43.4 - 50.3	44.5	41.0 - 48.1	47.6	43.9 - 51.3	No Change
Bledsoe County	43.8	39.6 - 47.9	39.3	35.6 - 43.0	44.5	40.5 - 48.5	40.5	36.5 - 44.6	No Change
Blount County	39.1	37.8 - 40.5	41.5	40.1 - 42.9	41.7	40.3 - 43.1	41.0	39.6 - 42.4	No Change
Bradford SSD	46.5	39.8 - 53.2	39.8	32.8 - 46.7	41.9	35.4 - 48.3	37.1	30.7 - 43.5	No Change
Bradley County	39.3	37.9 - 40.8	<b>No Data</b>		38.5	37.0 - 40.0	40.0	38.5 - 41.6	Limited Data
Bristol City	39.6	37.2 - 42.0	37.4	34.9 - 39.8	39.3	36.8 - 41.9	31.0	28.4 - 33.6	Decrease
Campbell County	<b>No Data</b>		44.3	42.3 - 46.3	46.2	42.7 - 49.6	47.1	44.1 - 50.2	Limited Data
Cannon County	35.6	32.3 - 39.0	36.2	32.9 - 39.5	41.8	38.2 - 45.4	40.3	36.7 - 43.9	No Change
Carter County	41.3	38.9 - 43.7	43.8	41.3 - 46.2	43.6	41.1 - 46.0	43.3	40.9 - 45.7	No Change
Cheatham County	35.3	33.2 - 37.3	32.3	30.2 - 34.4	36.7	34.7 - 38.7	35.1	32.9 - 37.3	No Change
Chester County	36.7	33.6 - 39.7	37.8	34.7 - 40.8	39.5	36.4 - 42.6	37.8	34.7 - 40.9	No Change
Claiborne County	48.3	45.8 - 50.9	47.5	45.0 - 50.0	50.3	47.8 - 52.9	46.9	44.4 - 49.5	No Change
Clay County	46.6	42.8 - 50.3	41.1	36.5 - 45.7	44.9	40.6 - 49.2	40.2	35.8 - 44.6	No Change
Cleveland	<b>No Data</b>		34.1	32.6 - 35.6	38.4	36.3 - 40.6	37.3	35.3 - 39.4	Limited Data
Clinton City	38.0	33.5 - 42.5	41.7	37.2 - 46.3	36.9	32.3 - 41.5	41.6	36.8 - 46.3	No Change
Cocke County	45.4	43.2 - 47.7	45.3	43.1 - 47.5	48.7	45.7 - 51.6	47.3	45.0 - 49.7	No Change
Coffee County	44.0	41.7 - 46.3	40.8	38.4 - 43.3	56.0	53.6 - 58.3	45.3	42.9 - 47.8	No Change
Collierville	<b>No Data</b>		<b>No Data</b>		26.3	24.6 - 27.9	24.2	22.5 - 25.9	Limited Data
Crockett County	47.9	44.5 - 51.2	49.5	45.9 - 53.0	50.0	46.5 - 53.5	50.0	46.6 - 53.4	No Change
Cumberland County	41.8	40.1 - 43.6	42.8	41.0 - 44.6	44.7	42.9 - 46.5	42.3	40.5 - 44.1	No Change
Davidson County	36.1	35.6 - 36.7	35.6	35.1 - 36.2	36.9	36.3 - 37.5	36.7	36.1 - 37.3	No Change
Dayton City	35.0	30.2 - 39.8	37.8	33.0 - 42.6	45.9	42.9 - 48.9	37.7	32.6 - 42.8	No Change
Decatur County	44.2	40.6 - 47.9	45.0	41.4 - 48.6	45.3	41.8 - 48.8	48.0	44.4 - 51.6	No Change
DeKalb County	47.1	44.4 - 49.8	42.0	39.3 - 44.8	37.1	31.4 - 42.7	45.0	42.0 - 48.0	No Change
Dickson County	39.4	37.8 - 41.0	40.3	38.6 - 42.0	40.8	39.2 - 42.5	35.2	33.5 - 36.9	Decrease
Dyer County	37.1	34.8 - 39.5	40.7	38.3 - 43.0	40.9	38.6 - 43.3	40.8	38.4 - 43.2	No Change
Dyersburg City	40.8	37.9 - 43.7	42.7	39.8 - 45.6	39.6	36.7 - 42.4	42.6	39.6 - 45.5	No Change
Etowah City	<b>No Data</b>		35.3	28.1 - 42.7	47.3	39.3 - 55.3	33.1	25.9 - 40.4	Limited Data
Elizabethton	39.4	36.2 - 42.6	40.4	37.2 - 43.6	42.5	39.2 - 45.8	39.2	36.2 - 42.3	No Change
Fayette County	45.3	42.5 - 48.2	44.8	41.9 - 47.7	43.2	39.7 - 46.6	41.2	38.1 - 44.3	No Change
Fayetteville City	39.5	35.6 - 43.5	37.1	34.5 - 39.8	41.8	37.7 - 45.9	37.4	33.6 - 41.2	No Change
Fentress County	51.5	48.7 - 54.3	47.0	44.1 - 49.8	50.5	47.6 - 53.5	47.0	44.0 - 50.0	No Change
Franklin County	40.0	37.7 - 42.3	36.5	34.5 - 38.5	38.3	36.0 - 40.6	33.7	31.5 - 35.9	Decrease
Franklin SSD	<b>No Data</b>		<b>No Data</b>		35.0	32.0 - 38.1	30.3	27.8 - 32.8	Limited Data
Germantown	<b>No Data</b>		<b>No Data</b>		21.0	19.0 - 22.9	24.0	21.8 - 26.3	Limited Data
Gibson County SSD	42.8	40.4 - 45.3	40.2	37.8 - 42.6	40.3	37.1 - 43.5	42.7	40.3 - 45.1	No Change
Giles County	44.1	41.6 - 46.5	42.5	40.1 - 44.9	42.6	40.0 - 45.1	32.0	29.6 - 34.4	Decrease
Grainger County	48.2	45.5 - 50.9	50.6	48.1 - 53.2	50.8	48.3 - 53.3	50.0	47.4 - 52.5	No Change
Greene County	44.2	42.1 - 46.2	43.9	41.9 - 45.8	43.6	41.7 - 45.5	44.9	42.9 - 46.8	No Change
Greenville City	40.0	37.2 - 42.8	36.0	33.0 - 39.0	41.2	37.0 - 45.3	39.3	36.5 - 42.2	No Change
Grundy County	40.8	37.6 - 44.1	42.5	39.4 - 45.6	41.2	37.6 - 44.9	38.9	34.5 - 43.4	No Change
Hamblen County	45.1	43.6 - 46.6	51.7	50.1 - 53.2	55.7	54.2 - 57.2	44.7	43.1 - 46.2	No Change
Hamilton County	35.4	34.5 - 36.4	32.0	31.0 - 33.0	32.9	32.0 - 33.8	34.5	33.8 - 35.3	No Change
Hancock County	51.9	47.1 - 56.7	46.8	42.0 - 51.6	53.9	49.2 - 58.7	46.0	41.1 - 50.8	No Change
Hardeman County	45.7	42.8 - 48.7	40.0	37.3 - 42.7	44.4	41.6 - 47.2	43.2	40.2 - 46.3	No Change


**Overweight and obesity\* prevalence among Tennessee public school students, by school district, 2012-13, 2013-14, 2014-15, and 2015-16 school years**

District	2012-13		2013-14		2014-15		2015-16		Change from 2012-13 to 2015-16
	Percent of overweight and obesity	95% confidence interval							
Hardin County	43.4	40.8 - 46.1	42.1	39.2 - 45.0	43.8	41.0 - 46.7	40.9	38.1 - 43.7	No Change
Hawkins County	43.9	42.1 - 45.8	45.2	43.3 - 47.0	45.8	43.8 - 47.8	45.7	43.7 - 47.6	No Change
Haywood County	45.1	42.5 - 47.6	43.8	41.1 - 46.4	42.5	39.8 - 45.2	42.3	39.5 - 45.0	No Change
Henderson County	42.2	39.6 - 44.8	37.0	34.5 - 39.5	43.5	41.0 - 46.0	44.6	42.0 - 47.3	No Change
Henry County	41.5	38.8 - 44.1	45.6	42.8 - 48.4	42.6	39.8 - 45.3	41.5	38.2 - 44.8	No Change
Hickman County	43.6	41.1 - 46.2	47.5	44.8 - 50.3	49.2	46.5 - 52.0	46.1	43.1 - 49.1	No Change
Hollow Rock-Bruceton	45.0	38.9 - 51.0	45.3	38.9 - 51.7	44.0	37.4 - 50.6	23.8	18.3 - 29.3	Decrease
Houston County	<b>No Data</b>		47.5	43.2 - 51.8	41.2	36.9 - 45.4	42.2	37.5 - 46.9	Limited Data
Humboldt City	46.1	41.8 - 50.5	49.5	45.2 - 53.8	49.8	45.3 - 54.3	46.5	42.1 - 51.0	No Change
Humphreys County	40.8	38.0 - 43.6	41.7	38.8 - 44.7	41.7	38.7 - 44.8	44.0	41.0 - 47.0	No Change
Huntingdon SSD	42.0	37.4 - 46.6	50.5	46.0 - 55.1	43.0	38.4 - 47.6	47.3	42.8 - 51.9	No Change
Jackson County	41.9	37.6 - 46.2	<b>No Data</b>		35.8	29.9 - 41.7	43.7	39.2 - 48.3	Limited Data
Jefferson County	40.5	38.5 - 42.6	37.3	34.5 - 40.1	40.0	36.8 - 43.2	40.2	36.8 - 43.6	No Change
Johnson City	33.8	31.6 - 36.1	32.5	30.5 - 34.5	34.9	32.9 - 37.0	34.3	32.3 - 36.2	No Change
Johnson County	42.4	38.4 - 46.5	40.2	36.3 - 44.1	40.2	36.5 - 43.8	43.2	39.4 - 46.9	No Change
Kingsport City	37.0	35.3 - 38.7	35.8	34.1 - 37.5	39.1	37.4 - 40.9	35.9	34.2 - 37.7	No Change
Knox County	32.9	32.0 - 33.7	32.8	32.0 - 33.6	36.1	35.3 - 36.9	32.9	32.2 - 33.6	No Change
Lake County	46.9	42.0 - 51.8	48.6	43.5 - 53.8	46.5	41.3 - 51.7	52.8	47.6 - 58.0	No Change
Lakeland	<b>No Data</b>		<b>No Data</b>		18.6	14.7 - 22.5	15.6	12.1 - 19.1	Limited Data
Lauderdale County	43.1	40.7 - 45.5	45.4	43.0 - 47.8	42.0	39.7 - 44.3	49.5	47.1 - 51.9	No Change
Lawrence County	41.2	39.2 - 43.1	40.5	38.7 - 42.3	40.8	39.0 - 42.6	40.8	39.0 - 42.7	No Change
Lebanon SSD	40.5	37.9 - 43.2	41.7	39.1 - 44.3	38.4	35.8 - 41.1	40.2	37.6 - 42.8	No Change
Lenoir City	47.1	43.7 - 50.6	45.1	41.6 - 48.6	46.5	41.8 - 51.1	45.5	41.1 - 49.8	No Change
Lewis County	46.9	43.4 - 50.4	49.4	46.0 - 52.9	47.6	44.1 - 51.1	46.6	43.0 - 50.3	No Change
Lexington City	56.7	52.4 - 61.1	41.3	37.1 - 45.5	49.1	44.5 - 53.7	47.1	42.5 - 51.7	Decrease
Lincoln County	40.4	38.0 - 42.9	38.5	36.1 - 41.0	41.6	39.0 - 44.2	40.8	38.1 - 43.5	No Change
Loudon County	42.6	40.5 - 44.6	40.5	38.4 - 42.6	41.0	38.7 - 43.3	40.8	38.6 - 43.0	No Change
Macon County	47.2	44.7 - 49.7	46.7	44.3 - 49.1	44.2	41.8 - 46.6	50.1	47.7 - 52.5	No Change
Madison County	40.0	38.6 - 41.3	41.5	40.1 - 42.8	42.3	41.0 - 43.7	41.8	40.4 - 43.2	No Change
Manchester City	36.6	32.7 - 40.5	36.9	33.2 - 40.6	39.1	35.2 - 43.0	39.7	36.0 - 43.4	No Change
Marion County	43.6	41.1 - 46.2	40.5	38.1 - 42.9	44.7	42.1 - 47.3	41.0	38.4 - 43.5	No Change
Marshall County	43.7	41.7 - 45.8	45.8	43.1 - 48.5	42.6	40.3 - 45.0	40.0	37.4 - 42.6	No Change
Maryville City	33.6	31.7 - 35.6	35.0	33.1 - 36.9	34.7	32.8 - 36.7	34.9	33.0 - 36.9	No Change
Maury County	42.5	41.0 - 43.9	42.8	41.3 - 44.4	40.2	38.9 - 41.5	41.7	40.2 - 43.1	No Change
McKenzie SSD	47.0	43.0 - 50.9	46.1	42.2 - 50.0	48.1	44.2 - 51.9	46.3	42.2 - 50.4	No Change
McMinn County	44.3	42.1 - 46.4	45.0	42.8 - 47.2	45.7	43.5 - 47.9	46.7	44.5 - 48.9	No Change
McNairy County	40.6	38.2 - 43.0	41.1	38.9 - 43.4	43.8	41.3 - 46.2	44.3	42.0 - 46.6	No Change
Meigs County	42.8	39.3 - 46.4	44.8	41.2 - 48.4	47.4	43.8 - 51.0	45.3	41.5 - 49.0	No Change
Milan SSD	39.4	35.8 - 43.0	39.9	36.7 - 43.2	44.2	40.9 - 47.5	42.1	38.7 - 45.5	No Change
Millington	<b>No Data</b>		<b>No Data</b>		<b>No Data</b>		38.2	33.0 - 43.3	Limited Data
Monroe County	45.7	43.6 - 47.8	46.1	44.0 - 48.3	48.4	46.3 - 50.5	51.0	48.0 - 54.0	No Change
Montgomery County	33.4	32.4 - 34.4	33.8	32.9 - 34.7	33.5	32.6 - 34.4	33.3	32.3 - 34.3	No Change
Moore County	39.8	35.0 - 44.6	45.0	40.1 - 49.9	34.4	29.6 - 39.2	36.2	31.2 - 41.3	No Change
Morgan County	41.2	38.4 - 43.9	41.9	39.0 - 44.8	40.9	38.1 - 43.7	40.4	37.5 - 43.3	No Change
Murfreesboro City	35.2	33.6 - 36.8	34.8	33.1 - 36.4	37.3	35.6 - 38.9	35.8	34.2 - 37.4	No Change
Newport City	<b>No Data</b>		44.4	39.5 - 49.3	42.8	38.1 - 47.6	46.6	41.5 - 51.7	Limited Data
Oak Ridge City	33.6	31.3 - 35.8	29.1	26.9 - 31.3	32.4	29.3 - 35.4	30.8	27.9 - 33.8	No Change
Obion County	43.6	41.1 - 46.2	45.4	42.9 - 47.8	46.2	43.4 - 48.9	45.3	42.8 - 47.9	No Change
Oneida SSD	46.8	42.3 - 51.2	47.0	42.8 - 51.3	40.6	36.4 - 44.7	45.7	41.3 - 50.1	No Change
Overton County	44.7	42.0 - 47.5	41.4	38.7 - 44.1	41.3	38.4 - 44.2	44.5	41.5 - 47.4	No Change
Paris SSD	41.0	37.7 - 44.2	45.0	41.8 - 48.2	43.1	39.9 - 46.4	44.4	40.6 - 48.2	No Change
Perry County	38.8	34.0 - 43.7	37.8	33.2 - 42.4	31.5	26.0 - 37.0	40.3	35.5 - 45.1	No Change
Pickett County	46.1	40.8 - 51.5	51.2	45.8 - 56.7	45.7	40.3 - 51.0	55.5	49.7 - 61.3	No Change
Polk County	38.2	35.2 - 41.1	41.1	38.2 - 44.0	37.4	34.4 - 40.4	39.9	36.9 - 42.9	No Change

Coordinated  
School Health

**Overweight and obesity\* prevalence among Tennessee public school students, by school district, 2012-13, 2013-14, 2014-15, and 2015-16 school years**

District	2012-13		2013-14		2014-15		2015-16		Change from 2012-13 to 2015-16
	Percent of overweight and obesity	95% confidence interval							
Putnam County	38.4	36.7 - 40.1	39.1	37.4 - 40.9	38.2	36.0 - 40.4	37.4	35.3 - 39.5	No Change
Rhea County	41.4	39.1 - 43.7	42.3	40.0 - 44.7	37.9	35.6 - 40.2	44.6	42.2 - 47.0	No Change
Richard City	43.1	34.1 - 52.1	75.2	67.6 - 82.8	41.6	32.0 - 51.2	38.2	29.6 - 46.8	No Change
Roane County	42.4	40.5 - 44.3	38.2	36.4 - 40.0	38.2	36.2 - 40.2	41.5	39.5 - 43.5	No Change
Robertson County	42.8	41.5 - 44.2	43.7	42.3 - 45.1	41.9	39.8 - 43.9	40.5	38.5 - 42.6	No Change
Rogersville City	41.7	27.7 - 55.6	37.1	32.1 - 42.2	42.3	36.8 - 47.8	46.6	40.9 - 52.3	No Change
Rutherford County	39.1	38.3 - 39.9	38.3	37.5 - 39.0	38.5	37.7 - 39.3	42.8	41.7 - 44.0	No Change
Scott County	46.0	43.2 - 48.9	45.0	42.2 - 47.9	45.5	42.5 - 48.4	46.0	43.2 - 48.9	No Change
Sequatchie County	42.0	38.8 - 45.1	41.1	37.9 - 44.3	39.5	36.1 - 42.8	44.5	41.3 - 47.8	No Change
Sevier County	36.0	34.7 - 37.4	38.7	37.7 - 39.8	37.7	36.1 - 39.2	35.9	34.4 - 37.4	No Change
Shelby County	32.6	31.9 - 33.3	34.9	34.4 - 35.5	42.5	42.0 - 43.0	35.8	35.3 - 36.3	No Change
Smith County	43.2	40.6 - 45.9	43.4	40.8 - 46.0	43.4	40.7 - 46.0	43.2	40.5 - 45.9	No Change
South Carroll Co SSD	51.5	43.9 - 59.2	33.5	26.5 - 40.5	44.1	35.8 - 52.5	39.6	31.7 - 47.5	No Change
Stewart County	37.4	34.3 - 40.5	36.3	33.0 - 39.5	35.9	32.6 - 39.1	37.8	34.6 - 40.9	No Change
Sullivan County	43.0	41.5 - 44.5	40.5	39.0 - 42.1	41.0	39.4 - 42.6	41.4	39.6 - 43.1	No Change
Sumner County	39.1	38.2 - 40.1	34.3	33.3 - 35.2	36.6	35.7 - 37.5	37.0	36.1 - 37.9	Decrease
Sweetwater City	38.3	34.8 - 41.8	42.3	38.8 - 45.8	40.7	37.2 - 44.2	42.1	38.4 - 45.8	No Change
Tipton County	38.7	37.3 - 40.2	38.0	36.5 - 39.5	40.2	38.6 - 41.8	39.6	37.9 - 41.2	No Change
Trenton SSD	42.9	39.0 - 46.8	43.5	39.5 - 47.5	41.6	37.7 - 45.5	48.6	44.5 - 52.7	No Change
Trousdale County	48.6	44.1 - 53.1	48.8	44.6 - 53.0	42.6	38.3 - 46.9	51.7	47.3 - 56.1	No Change
Tullahoma City	34.9	32.4 - 37.5	36.0	33.6 - 38.5	39.0	36.3 - 41.6	35.4	32.8 - 37.9	No Change
Unicoi County	43.4	40.4 - 46.4	45.4	42.3 - 48.5	43.2	40.1 - 46.3	46.7	43.2 - 50.3	No Change
Union City	42.7	38.7 - 46.6	44.5	40.8 - 48.3	44.6	40.9 - 48.4	45.1	41.3 - 48.8	No Change
Union County	43.9	40.9 - 47.0	46.1	43.1 - 49.1	41.7	38.4 - 45.0	46.2	43.0 - 49.4	No Change
Van Buren County	38.9	33.3 - 44.5	39.3	33.9 - 44.8	41.9	36.1 - 47.7	47.0	41.2 - 52.8	No Change
Warren County	44.8	43.0 - 46.6	44.4	42.6 - 46.2	45.2	43.3 - 47.0	44.4	42.6 - 46.3	No Change
Washington County	36.7	34.7 - 38.6	38.2	36.3 - 40.1	35.2	33.3 - 37.0	38.3	36.4 - 40.3	No Change
Wayne County	50.0	46.8 - 53.2	46.6	43.3 - 49.9	46.0	42.6 - 49.5	44.2	40.8 - 47.6	No Change
Weakley County	37.9	35.5 - 40.2	44.2	41.9 - 46.5	47.2	44.6 - 49.9	46.9	44.6 - 49.3	No Change
West Carroll Co SSD	45.7	40.7 - 50.8	50.1	44.9 - 55.4	48.3	43.1 - 53.5	50.7	45.5 - 55.9	No Change
White County	40.7	38.4 - 43.1	43.2	40.8 - 45.6	44.1	41.7 - 46.5	46.0	43.4 - 48.5	No Change
Williamson County	23.0	22.3 - 23.7	23.3	22.6 - 24.1	22.1	21.0 - 23.2	19.2	18.1 - 20.3	Decrease
Wilson County	35.9	34.7 - 37.0	35.6	34.5 - 36.7	36.1	35.0 - 37.3	36.2	35.1 - 37.3	No Change

\*Overweight/obese was defined as body mass index (BMI) greater than or equal to the 85th percentile for children of the same age and sex.

\*\*"Decrease" or "Increase" indicates a statistically significant change from 2012-13 to 2015-16.

## Acknowledgements and Citations

The following agencies collaborated to compile this summary:

- [Tennessee Department of Education, office of coordinated school health](#)
- [Tennessee Department of Health, division of policy, planning and assessment](#)

## For more information:

Mark Bloodworth  
Data & Fiscal Analyst  
Office of Coordinated School Health  
Tennessee Department of Education  
[Mark.Bloodworth@tn.gov](mailto:Mark.Bloodworth@tn.gov)  
(615) 806-0217

## Suggested Citation:

Tennessee Coordinated School Health. *Tennessee Public Schools: A summary of weight status data, 2015-16 school year*. Nashville, TN: Tennessee Department of Education, Coordinated School Health, 2016.